Nova Scotia

EDUCATION

Annual Report

FOR THE YEAR ENDING JULY 31, 1980

THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the school year ended July 31, 1980.

I have the honour to be

Your obedient servant,

Terence R. B. Donahoe

TERENCE R. B. DONAHOE
Minister of Education

HONOURABLE TERENCE R. B. DONAHOE
Minister of Education

Sir:

I have the honour to submit the annual report of the Department of Education for the school year ended July 31, 1980.

I have the honour to be

Your obedient servant,

G. J. McCarthy

G. J. McCARTHY
Deputy Minister of Education

CONTENTS

Department of Education: Administrative Structure 5

Administration and Support Services 8
- Inspection Services 8
- School Construction 8
- Pupil Transportation 9
- Public Education Grants and Finance 9
- Research Services 10
- Administration and Accounting 11
- Nova Scotia School Book Bureau 11
- Management Information Systems 11
- Ethnic Services 11
- Information and Reference Services 12
- Publications 12

Elementary and Secondary Education 13
- Secondary Vocational Education 13

Programs and Services for Adults 15
- Administration 15
- Federal-Provincial Relations 15
- Continuing Education 15
- Applied Arts and Technology 16
- Adult Vocational Education 18
- Program Services 18

Teachers 20
- Nova Scotia Teachers College 20
- Professional Development 20
- Teacher Certification 21
- Teachers' Pensions 21

Education Resource Services 22
- Nova Scotia Museums 22
- Education Media Services 25
- Nova Scotia Provincial Library 26

Universities and Colleges 29
- Student Aid 31

Statistical Tables 32

1. DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

The major administrative program areas of the Department of Education are Public School Operations, Education Programs, and the Finance and Budgeting Program. In addition to these, there is a small Higher Education section which includes an Advisor in Higher Education to advise the Minister on post-secondary programs and finances and a student aid office to administer loan and bursary programs for post-secondary students.

Public School Operations

Public School Operations includes the following divisions: Curriculum Development, Inspection Services, and School Planning and Conveyance.

The Curriculum Development Program, which is responsible for elementary, secondary, and secondary vocational education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs. It has consultants in a variety of subject areas and provides pupil personnel services to assist in the provision of student counselling and evaluation of pupil achievement.

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as monitors of the foundation program and as interpreters of departmental policy and procedures.

The School Planning and Conveyance section monitors and provides advice on school construction and on the safe and efficient operation of pupil conveyance systems.

Education Programs

The Education Programs area includes: Adult Education, Education Resource Services, Ethnic Services, Publication and Reference, and Teacher Education.

The Adult Education Program assists in developing and co-ordinating all aspects of adult education in the province through (a) continuing education in adult education classes, along with community development and other adult education services, (b) adult vocational education, involving development and operation of manpower training, and (c) applied

arts and technology education, involving operation of three technical institutes. The vocational and technical program is co-ordinated with the services offered by the Canada Employment and Immigration Commission.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts relating to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, and various audio-visual productions, including educational television programming. The Provincial Library co-ordinates the regional library service of the province and the union catalogue of library holdings in Nova Scotia.

Ethnic Services provides information and advice to other departmental divisions and to local school systems on the development of programs designed to increase knowledge and appreciation of the contributions of all ethnic groups and of the multicultural nature of our society.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the department, answers inquiries from the public and the news media, and helps to arrange publicity for departmental events.

The Teacher Education Program develops and co-ordinates preservice and inservice teacher education, including operation of the Nova Scotia Teachers College and the Nova Scotia Summer School. This division also supervises registration and certification of teachers.

Finance and Budgeting

The Finance and Budgeting area includes the divisions of Financial Management, Public Education Grants, and Research, an Internal Auditor, and a Planning and Budgeting co-ordination section.

The Financial Management division controls the internal financial operations of the department, operates a bureau which supplies school boards with textbooks and other learning materials, maintains departmental personnel records, and administers teachers' pensions.

Through its staff in the central office in Halifax and accounting and control officers based in the various regions of the province, the Public Education Grants division supervises the provision of education grants to school boards.

The Research division conducts assessments of the department's educational programs, carries out educational research, maintains educational statistics, and operates a test-scoring service for public schools.

The Internal Auditor is responsible for evaluating the adequacy of the department's systems of management control.

The Planning and Budgeting co-ordination section has responsibility for the overall supervision of activities related to preparation and monitoring of the department's budget, and the provision of advice on the development of improved systems for obtaining and presenting information on which to base management decisions.

2. ADMINISTRATION AND SUPPORT SERVICES

Inspection Services

The divisonal inspectors of schools continued to counsel and assist local school boards and supervisory staffs in co-ordinating plans for supervision, in-service training, and other programs for which the province and school boards have a joint responsibility.

With declining enrolments and an increased need for economic restraint, there has been a growing demand for the services of the school inspectors by local school authorities as they search for solutions to the problem of maintaining high quality educational programs within the limited resources available.

During the year under review, the department received requests for school system surveys from the Chester and Guysborough municipal school boards. The surveys were conducted by teams composed of staff members of Inspection Services, Curriculum Development, School Planning and Conveyance, and Public Education Grants. Each team was chaired by an inspector of schools who was responsible for organizing and administering the conduct of the survey assignment.

In addition to these studies, meetings were held with various boards across the province to explore the possibility of establishing larger board jurisdictions.

The Inspector of Vocational Programs co-ordinated a series of special studies and surveys of the regional vocational school programs and facilities.

School Construction

Twenty-two construction projects were completed and/or reported ready for appraisal during the year under review. Eleven of these projects were complete new buildings containing a total of 191 classrooms, 10 gymnasiums, and 131 other instructional areas. The remaining 11 projects were additions to existing buildings comprising 31 classrooms, 8 gymnasiums, and 55 other instructional areas.

Thirteen of these projects were elementary schools, three were junior highs, four were senior highs, and two were combined elementary-high schools.

At the end of the reporting period, 17 projects were either under construction or in the advanced stages of planning.

Pupil Transportation

During the year, school buses in the province travelled approximately 12,800,000 miles over 3,600 routes with no fatalities and no major injuries.

School bus maintenance continues to be a high priority of the department and of school boards, particularly because the average cost of a school bus has increased from $7,000 to $30,000 within 10 years. During the past year, four school bus maintenance depots have been completed and one is currently in the planning stages. These facilities will enhance conveyance safety and ensure additional years of use of school buses.

The Tenth Annual Pupil Transportation Conference was held in Dartmouth, with delegates from the Atlantic Provinces, Canada and the United States exchanging information on safety and maintenance.

Public Education Grants and Finance

Public Education Grants and Finance is the unit responsible for administration of provincial grants to school boards. These grants account for most of the Department of Education budget and, to administer these large expenditures, Public Education Grants and Finance employs fourteen people, including six field personnel. These field positions were established because of the rapid increase in the extent and complexity of funding for public education during the past few years, and the increasing degree of provincial involvement. Expenditures on this scale necessitate much closer liaison between department and school boards -- for consultation, information retrieval, and budgetary control -- than in the past. The establishment of regional offices has made possible a more continuous liaison, more effective budgetary control, and a more adequate and timely supply of budgetary information from the department to boards and from boards to the department.

This closer liaison is leading to greater accuracy in budget preparation and to more rapid detection of possible need for adjustment after budget preparation. It is enabling the appropriate financial officers of the department to become more familiar with the various accounting systems and procedures employed by boards throughout the province.

Research Services

Research findings were provided to the department and school boards to assist in planning, making policy decisions, and carrying out those decisions.

Revisions in the teacher information system have enabled the department to: 1) obtain up-to-date, accurate information on teachers; 2) provide this information in a wide variety of forms for use in directories, special reports, etc.; and 3) provide detailed salary data which can be used as a basis for teacher salary projections. For the first time, a data certification form was produced which enabled each teacher in the province to review his or her data on file and update the information if necessary.

Planning continued on the establishment of other education information systems, particularly an enrolment file. The collection of pupil withdrawal information was simplified by the introduction of a summary form in place of individual student forms.

Specialized analytical research provided: 1) projected public school enrolments for a 10-year period; 2) detailed analysis of pupil-teacher ratios; 3) analysis of present educational staffing patterns; 4) analysis of various types of pupil-based models for cost projections; 5) costing of mean and median teachers' salaries by teaching position, by board, and by province; 6) analysis of costs of term teachers, substitutes, and teacher certification upgrading; 7) other demographic projections and costs estimates, as required.

Data obtained from the Nova Scotia Standards Project were used to evaluate the extent to which Grade 6 pupils had achieved competence in basic skills and knowledge, to compare the achievement of Grade 6 pupils over a 10-year period, and to provide a basis for better instructional decision making and program implementation.

The Nova Scotia Achievement Tests, administered in October 1979 to all Grade 9 and Grade 12 pupils, provided data for: 1) assessment of knowledge and competence in five major fields of learning forming the core of Nova Scotia education; 2) evaluation of the extent to which educational objectives and priorities are being met at the school, system and provincial levels; 3) determination of any need which may exist to revise educational objectives, assign new priorities, or re-allocate resources. Revisions were made in reporting format for the Achievement Tests to provide more information on test results to the schools and systems.

Administration and Accounting

A computer system was introduced for the processing and reporting of financial information by the Department of Finance. When the installation is complete, department managers will have access to improved, detailed, up-to-date financial information.

A new budgeting system was introduced for the preparation of the 1980-81 estimates. The Department was selected to take part in the introduction of the system prior to full-scale implementation in all government departments in 1981-82. The new budgeting system will give managers greater depth of control and will be integrated with the computerized financial information system.

Nova Scotia School Book Bureau

The School Book Bureau is the storage and distribution centre for the texts and other learning materials prescribed for use in the public schools of Nova Scotia. The bulk purchasing procedures and central warehousing facilities of the Bureau provide economies of scale. Statistics on the Bureau's operation are given in the tables at the end of the report.

Management Information Systems

The year 1979-80 was a period of continuing improvement in the information systems within the department. The large backlog in teacher salary information was eliminated. Procedures and methods to collect and ensure increased reliability and accuracy of teacher information were completed in co-operation with the Research activity of the Department. Economies were achieved in the School Book Bureau order entry system by removing unnecessary and redundant components of the automation system and in Student Aid through discontinuation of an outdated system.

No new information systems were developed during this period; however, considerable background work was carried out and data collection mechanisms established. This resulted in improved enrolment information, further development work on a finance information system, and clarification of needs for automation in the Provincial Library.

Ethnic Services

Among the varied undertakings of Ethnic Services, the following were perhaps the most important: facilitation of the evaluation of learning materials by ethnic minority groups; production of Micmac Studies learning

materials; development of Black Studies audio-visual materials; publication of an Ethnic Services brochure; production of a human rights booklet for educators; and assistance in the planning of a national conference on multiculturalism as well as an in-service seminar on multicultural education for teachers, school board personnel, and administrators in Nova Scotia.

Ethnic Services staff served in consultative and leadership roles at numerous conferences, workshops, and seminars concerned with the topics of multiculturalism, ethnic studies, human rights, international and development education, as well as interpersonal communication and understanding.

Information and Reference Services

This section maintained regular liaison with the Department of Government Services, Nova Scotia Teachers Union, Nova Scotia School Boards Association and Nova Scotia Federation of Home and School Associations for the purpose of dissemination to teachers, parents and the general public of information concerning education in Nova Scotia.

Information was provided and education information kits distributed in response to telephone and written inquiries and questionnaires from students, teachers, parents, media, other education departments or institutions, and the general public.

Publicity was arranged, and planning and reporting services provided, for meetings and conferences of various provincial, regional and national organizations and groups associated with education.

Publications

General publications of the department included the annual directories of schools, the *Journal of Education* containing articles of general interest to teachers, and *Education Nova Scotia* containing official notices, articles on departmental policies, and miscellaneous information for teachers.

Assistance was provided by the Publication and Reference section to other sections of the department in the production of curriculum documents, course calendars, and newsletters.

Announcements requiring rapid distribution among educators throughout the province were issued as mimeographed releases.

3. ELEMENTARY AND SECONDARY EDUCATION

During the period under review, the Curriculum Development Division produced 16 guides to assist the teachers in conducting courses of instruction for students in the public schools. The guides set forth the aims and objectives of the courses as well as their content, offered suggestions for methodology in teaching, and listed resource materials available to the teachers. Subject areas covered in these publications included mathematics, secondary English, elementary language arts, music 5 to 9, industrial arts, business education, special education, and the adjusted program.

The staff of Curriculum Development co-ordinated the review of new learning materials needed to replace items no longer in print and to update programs and courses currently offered. Particular attention was paid to removing items with ethnic or sex bias and to emphasizing acquisition of materials with Canadian origin and content.

During this period, extensive work on in-service training programs for teachers was undertaken. Sessions were held by the consultant staff at various centres throughout the province related to (1) French, second language, (2) biology, (3) the related subjects in vocational education and the core subjects of brick and tile, and carpentry, (4) the adjusted academic program, (5) special education (6) administration (an invitational workshop for the school superintendents), (7) administration (an invitational workshop for approximately 100 curriculum supervisors), (8) English language arts: reading, (9) career education, (10) a workshop for counsellors, (11) mathematics 9 to 12, (12) physical education and health education for teachers and administrators of high schools.

The Second Language Monitor Program, funded by the Secretary of State and jointly administered by the Council of Ministers of Education, Canada and the provinces, was active in Nova Scotia. Thirty-two university students whose mother tongue is French, worked part-time in the public schools of Nova Scotia, assisting teachers of French as a second language in the regular curriculum in Halifax, Dartmouth, Halifax County, Antigonish, Antigonish County, Colchester East Hants, Kings County, and the District of Clare; and also in French immersion programs in Halifax City.

Secondary Vocational Education

Full-time enrolment in the 14 regional vocational schools was 6,513, during the year under review. Three of these schools are operated by amalgamated school boards, while the remainder are operated by the province.

Task forces of teachers and supervisors from the department were formed to revise the curriculum guide for electrical construction wiring, welding, and architectural drafting.

The general survey of the regional vocational schools was continued in Annapolis Regional Vocational School, Cape Breton Regional Vocational School and Shelburne Regional Vocational School. This completed the general survey and an overview report was prepared for the Minister.

Regional vocational school facilities continued to be used by government agencies, business and local community groups, and the general public for a variety of educational purposes. Part-time courses for adults were operated in five of the vocational schools in more than 20 occupational fields.

The intermediate industrial program and the secondary industrial program continued to meet the needs of a large number of students for opportunities to obtain some initial exploratory training in clusters of related trades.

Liaison was maintained with trade advisory committees, the Department of Labour, the Board of Registration of Nursing Assistants, the Nova Scotia Hairdressers Association, the Canadian Welding Bureau, various trade organizations, and other groups concerned with vocational training.

Five regional vocational schools took part in the second "Reach for Safety" program, conducted in co-operation with Workmen's Compensation, the Nova Scotia Safety Council, and the Canadian Association of Safety Engineers.

4. PROGRAMS AND SERVICES FOR ADULTS

Administration

The third year of the three-year agreement between the Nova Scotia Department of Education and the Canada Employment and Immigration Commission began April 1, 1979. The total funds for the third year of the contract are $13,270,000 for institutional training with an additional $5,696,000 for training in industry under the terms of the Canada Industrial Training Program. An additional $249,000 was made available for specified skill development programs. An additional training agreement, to become effective April 1, 1980, was implemented with the federal Department of the Solicitor General for the operation of training programs in the Springhill Medium Security Institution.

Federal-Provincial Relations

Pending the outcome of discussions held with the Provincial Department of Labour on the assumption by that department of certain responsibilities relating to training, employment, job creation and immigration, the Department of Education's involvement in the Joint Federal-Provincial Manpower Needs Committee and its sub-committees continued to provide the principal consultative mechanism in these matters. In addition to the strategies and plans developed for institutional and industrial training to be conducted under the Adult Occupational Training Act during 1979-80, a five-year manpower training plan was developed by the Strategic Planning Sub-Committee for discussion and appraisal by government and industry.

Continuing Education

Through its continuing education program, the department assisted 53 school boards in providing education services to 25,000 adults enrolled in classes of academic upgrading, vocational education, health and physical education, home-making and family life, and personal development. In addition, the department co-operated with the Department of the Secretary of State and school boards in organizing 79 second language classes with a total enrolment of 931. School boards engaged 70 administrators of whom six were employed full-time.

In addition to providing grants to school boards offering literacy education programs, the department assisted with 11 workshops for the training of volunteer reading aides. One hundred and twenty-nine persons received training under the program and over 330 persons received literacy

tutoring. In addition, materials were provided to literacy councils organizing their own training program.

Regional staff provided consultative services to 54 school boards; made available counselling and advisory services to 2,611 persons visiting regional offices, and 12,993 persons by telephone; assisted over 2,160 persons through the Community Worker Program; provided consultation and administered funding to 78 community education projects with an enrolment of over 10,000; provided assistance in the form of grants and consultation to 48 community schools with enrolments of approximately 32,027 persons; arranged for General Educational Development tests for 1,959 persons; assisted with the organization of 66 regional and provincial conferences; and organized 48 supervisory and business management courses with 879 persons enrolled. Increased support has been provided to senior citizens through the medium of pre-retirement seminars and consultative services to senior citizens' groups.

Disabled Persons' Training

During the past year, 295 disabled people were considered for vocational training. Of these, 256 entered various types of training and 39 clients were deferred for further evaluation.

Applied Arts and Technology

Nova Scotia Institute of Technology

Enrolment in the applied arts and technology programs dropped from 404 in 1978 to 382 in 1979. The same trend was shown in the apprenticeship trades, where enrolments dropped from 1,987 in 1978 to 1,847 in 1979. Enrolment in seven adult vocational training courses, together with a special course in Native Social Counselling, raised the total enrolment at the Institute to 2,422, an increase over the previous year. The extension part-time courses showed a considerable decrease (from 1,845 in 1978 to 1,604 in 1979).

In engineering technology, students from industry wishing to upgrade their qualifications attended special upgrading classes and the students from first and second year engineering technology visited selected industries to obtain an overview of what industry offers and demands of its employees.

This year, as in previous years, the Institute co-operated with the Ship Repair Unit Atlantic in offering theoretical instruction to apprentices in training in HMC Dockyard. A new, fully equipped electronics laboratory,

which was completed this year, will enable the Institute to offer better facilities in training of Dockyard students.

In the Apprenticeship Program, modular development of courses is proceeding in carpentry, bricklaying, machine shop, sheet metal, and oil burner service.

A pilot project for training of food services staff in homes for special care was instituted. Twenty-six students were enrolled initially, with 18 still in attendance.

This was the first year of operation of a federal-provincial agreement concerning foreign students. Ten students from Nigeria were enrolled in the medical laboratory program, and one in the mechanical engineering technology program.

Extension Services and Correspondence Study

During the academic year, 1,604 students enrolled in a total of 31 extension classes.

On July 1, 1979 there were 1,800 public school correspondence course registrations, and during the year there were 1,911 additional registrations. Three hundred fifty-one (351) course completions and 1,253 course cancellations were recorded during the year. Eight public school and two vocational correspondence courses were revised.

Nova Scotia Land Survey Institute

The Institute programs continue to attract students, and employment prospects for the graduates are generally good. The photogrammetry program was re-designed as a one-year program, with development work being carried out this year and the actual program scheduled to begin in September 1981.

Nova Scotia Nautical Institute

The advance of technology in the marine field and the movement towards more international agreements with respect to marine training have led to increases in enrolment at the Institute and are expected to continue to do so.

The metric system has been instituted in all engineering examinations and there has been an upgrading of the syllabi which will continue until 1985, when international ratification will take place. Plans are being made

to increase the content and length of the simulated electronic navigation courses.

Marine Emergency Duties course registration has levelled off, but the demand for training for ratings and officers is expected to increase. The total enrolment in this institution increased to 1,178 in 1979-80 from 1,168 in 1978-79.

Adult Vocational Education

Cape Breton Adult Vocational Training Centre

The Cape Breton Adult Vocational Training Centre enrolled 1,378 students during the year. Re-allocation of training in the Basic Training for Skill Development program continued during 1979-80, with the establishment of an adult vocational training module in Baddeck. Sessions on career exploration for women were instituted in the Cape Breton area, while training in retail selling/marketing management and business education was begun in the Port Hawkesbury area.

Dartmouth/Mainland Adult Vocational Training Centre

The renovations to the new facilities at 10 Acadia Street were completed during the year and a portion of the business education program normally carried on at the Glencoe facility was moved to 10 Acadia Street.

Business education programs were established in the Yarmouth and Kentville areas and programs for machine tool operators in Bridgewater and Granton.

Total enrolment was 2,566 for the year.

Program Services

Course Development and Evaluation

Learning resource materials for seven vocational courses were developed and joint work was done, with training officials of the Province of New Brunswick, on the development of modular apprenticeship programs. Evaluation workshops were conducted for staff members in the adult education teaching institutions.

Training In Industry

A total of 2,830 training proposals were processed and on-site monitoring provided to a total of 2,708 programs, covering 6,966 trainees.

Nova Scotia Proprietary Trade Schools

Registration and inspection of proprietary trade schools was carried out pursuant to the Nova Scotia Trade Schools Regulation Act. Nineteen full-time schools and nine correspondence schools were registered.

5. TEACHERS

Nova Scotia Teachers College

One of the most significant events of the College year was the opening of McCarthy Hall, a new resource centre, on February 13, 1980. This centre provides facilities for a library and audio-visual services, and specific spaces for geography, mathematics, audiovisual, graphic arts, reading and curriculum "laboratories". There are also small project rooms, study carrels with equipment for previewing non-print materials, and a language laboratory. The building's three floors are as open as possible, thus allowing the proposed functions to be enlarged, reduced, moved or removed without being constrained by the building.

A program has been approved by the Minister that will provide courses leading to the Associate in Education diploma and level 4 certification for native Nova Scotian Indians. Under this pilot program, 25 Micmac young people will be registered at the College in 1980-81, with funding assistance from the federal Department of Indian Affairs and Northern Development.

In addition to its major role in the initial training of teachers, the Nova Scotia Teachers College offers a broad continuing education program and provides extensive support to in-service programs at the local level. The College has formed a Professional Development Committee to co-ordinate and develop in-service training with school boards in the province. In its work on in-service education, the College emphasizes long-term planning, a high level of involvement at the local level, school-based and school-focused programs, sound evaluation procedures, and extensive follow-up at the individual teacher and classroom level.

Professional Development

Two programs were offered by the Nova Scotia Summer School, with 142 students in the Educational Leadership Program and 82 students in the Technical/Vocational Teacher Education Program.

The enrolment in the latter program included 38 students from regional vocational schools, 5 from the hospitals, 8 from applied arts and technology institutions, 4 from the Department of Fisheries, 1 from the Department of Education, 16 from adult vocational/manpower, and 10 from the high schools.

Several 45-hour courses in "Teacher Effectiveness Training" were given in various places in the province.

In-service activities of the department were arranged jointly by the Teacher Education Division and the Curriculum Development Division. Emphasis was placed on the introduction of new and revised curriculum guides in French, science (biology), adjusted academic programs, vocational education (carpentry), and special education. A two-day seminar for administrators on the subject of in-service education was held in Halifax and Sydney.

Teacher Certification

Some 1,226 experienced teachers received higher certification on the completion of further study. A total of 3,451 regular certificates, special certificates, and permits were issued as follows: Teachers' Certificates, Class 8 - 61; Class 7 - 186; Class 6 - 681; Class 5 - 1,622; Class 4 - 589; Class 3 - 101; Class 2 - 27; Class 1 - 1; Special Certificates - 150; Teaching Permits - 5; Vocational Permits - 28.

Teachers' Pensions

The number of pensioners increased this year by 169 (5.5%), for a total of 3,272.

The rate of interest for the school year commencing August 1, 1979, on contributions payable for purchase of past teaching service, was increased from 8.25 per cent to 9.0 per cent per annum compounded semi-annually.

In accordance with provisions of current regulations, all existing pensions were increased by 6 per cent effective January 1, 1980.

6. EDUCATION RESOURCE SERVICES

Nova Scotia Museums

The Nova Scotia Museum complex received over half a million visitors during the year, and school classes using the museum facilities for local studies in history, geography and social studies increased by about 35 per cent, with over 25,000 students taking part.

Two additional distribution centres for school loans were established, bringing the total to 13. Most areas of the province are now served by this system, with each centre having copies of multi-media and slide-tape loans, as well as collection loans, for use by teachers in their area. Personnel from the distribution centres attended a training session at the museum to familiarize them with the use of loans and museum resources. Nine hundred requests for loans were filled, up 4.2 per cent over last year. All loans were refurbished during the summer, two new loans were added to the system, and work continued on others. Complete documentation of the construction of a Shelburne dory is being prepared to be used as the basis for a loan kit.

In-service sessions for schools and universities on the use of museum materials as teaching resources were conducted throughout the province. A special effort was made to acquaint school inspectors and curriculum consultants with museum resources.

Programs for adults, children and families were offered throughout the year. These included Project Room programs on 22 Saturdays and for nine weeks during the summer. In addition, there were evening lecture series, summer Wednesday Walks, film series, field trips and a Christmas theatrical performance. Demonstrations by Micmac craftsmen during the "Elitekey" exhibition were particularly popular. One highlight of the year was an open house held in conjunction with Education Week during which over 1,200 visitors were received. The planetarium was very well supported with attendance of 4,342 at 169 shows. Wednesday and Saturday programs for children's groups continued to be very popular.

Environmental education programs concentrated on leadership training sessions for teachers and for groups such as Brownies and Girl Guides. Many individual requests were received for environmental information and for advice on planning field trips and designing nature trails.

Exhibits and Collections

"Elitekey", a major exhibit of Micmac material culture, was installed in the Museum foyer in January 1980. This is a national exhibit which will travel to centres across Canada. A foyer exhibit of church vestments and silver, "Chasubles and Chalices", was organized with loan items from churches in Nova Scotia. Another major exhibit, "The Salt Marsh", was organized and constructed during this past year and circulated throughout the local exhibit centres.

Curatorial and research work has been concentrated on the reorganization of existing collections. This is particularly true in the geology unit, where old collections in storage at Mount Uniacke are being cleaned, catalogued and rehoused in proper cabinets. The geology unit also acquired some significant specimens and casts of fossil amphibian and reptile footprints from the Minas Basin area. The casting of one set of unique fossil footprints from Horton Bluff received national and international coverage in the media. New material in the botany collections included a donation of some 200 mounted specimens collected in the Mount Uniacke area between 1850 and 1870. In zoology, significant work was done on the spider and polychaete collections and new insect material was incorporated.

Two thousand archaeological specimens were acquired. The history collections were enlarged by the addition of 526 items, of which 272 were donations. Items of particular interest were three pieces of furniture by Halifax cabinetmakers; all are signed and dated (1848, 1858, 1927). A rare set of lithographs of Nova Scotia by W. Eagar (1839-40) was acquired and some Uniacke family material from England was donated for Uniacke House. Several important models and ship portraits were added to the marine history collection. A most important acquisition was the hydrographic ship, *CSS Acadia*, given to the province to serve as a part of the new Maritime Museum of the Atlantic.

Branch Museums

The construction of the new quarters of the Maritime Museum of the Atlantic continued. Early in 1980, the rebuilding of the wharves and the sea wall was completed, and the erection of the steel for the new building was begun. Restoration work on the Robertson building continued during this period.

A wood turner's shop was outfitted at Sherbrooke Village and an experienced wood turner was engaged to demonstrate to visitors and produce a line of reproduction wood products for sale. Also at Sherbrooke

Village, the home of John Cumminger, merchant and shipbuilder of the 19th century, was acquired and an architectural study was carried out in preparation for restoration of this elegant dwelling.

The purchase of a new curator's residence at Ross Farm allowed the former residence to be used for an expanded museum sales shop operation and new administrative offices.

At the Fisheries Museum of the Atlantic, a new aquarium was put in service and renovations and improvements to the building complex continued. An old barn from East Chezzetcook was dismantled and re-erected on the Fisherman's Life Museum site at Jeddore. This will house farm animals for the historic site. Title to the Barrington Meeting House passed to the province and this property will be developed as a branch of the Nova Scotia Museum.

Local Museums

At Liverpool, the Simeon Perkins Museum was established on the grounds of Perkins House. This is a modern, environmentally-controlled museum building which houses the collections of the Queens County Historical Society, and is capable of accommodating travelling exhibitions. The historical society is responsible for the operation of the museum and has also assumed the operation of Perkins House.

The Colchester Historical Society Museum organized a comprehensive exhibition of furniture of Colchester County and issued a publication on the subject. A successful fund-raising project by the Amherst Township Historical Society resulted in the purchase of Grove Cottage, the home of R.B. Dickie, a Father of Confederation. This building will house the collections of the society and will operate as a regional museum.

Two new seasonal museums were established in Cape Breton: the Inverness Miners' Museum at Inverness, and the North Highlands Community Museum at Cape North.

Publications

Museum publications for the year were as follows:

E.L. Zodrow and K. McCandlish. *Upper Carboniferous Fossil Flora of Nova Scotia.*

Rear Admiral Hugh F. Pullen, RCN, (Ret'd). *The Sea Road to Halifax.*

Ruth Holmes Whitehead. *Elitekey; Micmac Material Culture from 1600 A.D. to the Present.*

Atlantic Geoscience Society with assistance from the Nova Scotia Department of Mines and Energy and the Nova Scotia Museum. *Geological Highway Map of Nova Scotia.*

The Latest Word from the Nova Scotia Museum (newsletter) Nos. 69, 70, 71 and 72.

The Occasional, vol. 6 no. 1, fall 1979.

Education Media Services

During the year, the film library added 309 prints to its collection. Although there were new titles in all subject areas and for all grade levels, particular emphasis this year was given to updating the science, social studies, and physical education collections. The publication of a new catalogue for schools stimulated a significant increase in the demand for films. The 60,670 film bookings recorded is an eight per cent increase over the previous year.

The Department's audio-visual equipment repair operation is of increasing importance to boards in their efforts to control costs. The two technicians in this operation repaired 2,257 pieces of equipment during 1979-80.

The video studio was used in the production of a number of videotapes for training in cooking, heavy duty equipment operation, waiter/hostess occupations, and meat cutting. Programs were also produced as in-service training aids for secondary high school mathematics teachers. Another series of tapes, begun this year, will serve as an archival record of vanishing skills of the Micmacs.

Educational television programs chosen by the department were broadcast, five days a week during the school year, from 9:30 - 10:30 a.m. on CBC television stations throughout the province. The series, *Yesterday's People,* which presents a dramatization of typical nineteenth-century Nova Scotian life in the village of Sherbrooke, was broadcast for the first time.

The CBC completed production of the films *Geology at Arisaig* and *Careers in Fisheries,* which are available from the Media Service Film Library and will be broadcast in subsequent seasons. The latter film won an Award of Excellence in June, 1980, at the Film Festival of the Association for Media and Technology in Education in Canada.

The major co-production of the department and the CBC during this period, however, was *Mi'kmaq,* a five-part dramatization of the material culture of pre-contact Micmac Indians. This series, initiated by a suggestion from the native people themselves, is part of the department's ongoing commitment to provide educational resources for and about Nova Scotia's cultural minorities. It is being produced in association with the Micmac Association for Cultural Studies, the Department of Indian and Northern Affairs, and the Nova Scotia Museum, with the co-operation of many other groups and departments. By the end of the period under review, Media Services had completed the development of the *Mi'kmaq* series, two shows had been produced on location, and three more were planned for the period August, 1980 to February, 1981.

Education Media Services revived the local use of CBC radio educational programs by producing a three-part series, *Great Expectations,* in co-operation with the Art Gallery of Mount St. Vincent University.

Nova Scotia Provincial Library

Reference Services: With the installation of a terminal in October 1979 and the subscription to computerized databases in the humanities, pure and applied sciences, and technology, reference and research services to Nova Scotia libraries have improved in quality and quantity. Productivity increased by 10 per cent and turn-around time in supplying information was reduced by 50 per cent.

The Reference Services Section also extended its centralized information and interlibrary lending services to government and regional vocational school libraries during the past year, without an increase in staff.

The interlibrary loan location service at the Provincial Library is based on union catalogues in card format. The use of automated library support systems in Nova Scotia libraries has necessitated careful study and adaptation of these catalogues in order to continue the location service. New methods and co-operative ventures have been proposed which will ensure maximum resource sharing for Nova Scotia libraries.

Technical Services: This unit continued to provide centralized cataloguing and processing of library materials for 10 regional public libraries and for the Provincial Library's collections. A total of 16,996 new titles were catalogued and 55,160 volumes processed.

It was decided to participate in the University of Toronto Library Automation System (UTLAS). This on-line bibliographic utility already serves libraries from Newfoundland to British Columbia. It is hoped that by January 1981, all titles will be catalogued through this system.

Public Libraries: During 1979-80, emphasis was placed on maintaining current levels of service within the regional public library framework. No additional branches were opened and no service areas expanded, but in January 1980, the only municipality in the province which was not in a regional library system voted to join. Thus, 32 years after the establishment of the first regional library in the Annapolis Valley, all Nova Scotia residents will have access to regional public library service.

The centralized "talking book" service which provides books on tape for those who, because of visual, physical or neural handicap, cannot read print materials, has proved very popular. During the year, the registration of handicapped persons reached 480. For the first time, the British Columbia Library Services Branch (Ministry of Provincial Secretary and Government Services) made their audiobooks available for purchase. These are a welcome addition to the titles produced by the CNIB.

The public libraries' demand for books in languages other than French and English has grown during the past year. Fifty-eight collections in 15 languages are in use throughout the province. These materials are provided by the National Library of Canada, with the Provincial Library acting as a central deposit and distribution station. The Provincial Library has also purchased a small collection of Vietnamese materials for the increasing Vietnamese population in Nova Scotia.

School Libraries: School libraries and library programs continued to develop throughout the province. Areas visited for in-service and work sessions included Antigonish, Barrington Passage, Bridgewater, Chester, Shelburne and Windsor, as well as Halifax County, Richmond County, and the Municipality of St. Mary's.

During the year, the School Libraries section continued its co-operation with educational institutions such as the Nova Scotia Teachers College, Saint Mary's University Faculty of Education and the Dalhousie School of Library Service. Other co-operative efforts involved the Halifax

Reading Association, Canadian Book Information Centre and the Canadian Learning Materials Centre.

The Teachers' Library provided research and reference services to educators at all levels, library service for the Nova Scotia Summer School, and large book loans to school libraries. Book circulated included 1,893 professional education titles and 9,249 titles to supplement school library and classroom collections. A total of 145 items were sent to other libraries through the inter-library loan system.

The Task Force on School Libraries, appointed by the Minister in June 1979, met for five working sessions. Public meetings were held in different areas of the province and many submissions were received.

7. UNIVERSITIES AND COLLEGES

Operating grants to universities and colleges in the 1979-80 fiscal year totalled $92,830,023, representing an increase of $5,219,493 over the previous year's total of $87,610,530. Details are provided in the table below. In addition, restricted grants were provided for renovations, alterations, and equipment. In 1979-80 these grants totalled $5.289 million.

Final capital advances were made during the year on the loan previously approved for the Dalhousie University Physical Education, Recreation and Athletic Complex (Dalplex) and further advances were also made towards the campus project at the College of Cape Breton. In addition, loans totalling $7,780,000 were approved in the 1979-80 fiscal year to assist in the construction of the new Dalhousie University Dental School and the extension to the Saint Francis Xavier University Oland Centre.

Enrolments in universities and colleges in Nova Scotia in 1979-80 were as follows:

	1979-80	1978-79
Full-time enrolment		
Degree	18,317	18,642
Technical	870	884
Full-time equivalent of part-time enrolments (all degree students)	3,218	3,430
Totals	22,405	22,956

Details of the composite enrolments of full-time and part-time students for degree and technical students are:

Universities and Colleges	1979-80	1978-79
(a) Degree students		
Acadia University	3,010	3,081
Atlantic Institute of Education	14	23
Atlantic School of Theology	120	124
College of Cape Breton	980	1,132
Dalhousie University	7,722	7,813
Mount Saint Vincent	1,898	1,817
N.S. Agricultural College	167	186
N.S. College of Art and Design	522	500

	1979-80	1978-79
N.S. Teachers College	642	710
N.S. Technical College	794	711
St. Francis Xavier University	2,243	2,413
St. Mary's University	2,744	2,883
University of King's College	386	354
Université Sainte-Anne	293	325
Total - Degree students	21,535	22,072
(b) Technical students		
College of Cape Breton	505	501
N.S. Agricultural College	266	257
N.S. Land Survey Institute	99	126
Total - Technical students	870	884
Total - All students	22,405	22,956

Operating Grants to Universities and Colleges

	1979-80	1978-79
Acadia University	$8,688,853	$ 8,051,489
Atlantic Institute of Education	692,873	663,500
Atlantic School of Theology	302,645	286,198
College of Cape Breton	5,341,410	5,046,792
Dalhousie University	43,631,696	41,248,440
Mount Saint Vincent University	4,203,823	3,891,188
N.S. Agricultural College (1)	1,137,970	1,083,780
N.S. College of Art and Design	1,969,304	1,854,580
N.S. Land Survey Institute	573,229	523,030
N.S. Teachers College	3,760,698	3,846,160
St. Francis Xavier University	7,678,650	7,194,498
St. Mary's University	8,463,187	7,928,658
Technical University of Nova Scotia	4,464,312	4,186,416
Université Sainte-Anne	1,241,276	1,169,142
University of Kings College	680,097	636,659
	$92,830,023	$87,810,530
Foreign Student Recoveries	$ 404,700	$ 393,354
Non-space and Alterations & Renovations Grants	$ 5,289,377	$ 3,992,132
Grants - University Debt Charges	$ 7,174,221	$ 6,123,335

Note (1) - For university level only; does not include financial support for the technical side of the college.

Student Aid

The Student Aid section of the Department of Education administers the Nova Scotia Bursary Program and the Canada Student Loan Program. The maximum financial assistance available to eligible post-secondary students under these programs during the 1979-80 academic year was $3,000; of which $1,800 was in the form of a federally-guaranteed Canada Student Loan and the remaining $1,200 was a Nova Scotia Bursary. The maximum Nova Scotia Bursary was changed to $1,200 during this fiscal year, an increase of $100 over the previous maximum.

As part of the ongoing effort to keep students informed about the two programs, personnel from the Student Aid office continued the established practice of visiting the high schools throughout the province to explain the programs to the graduating classes.

Student aid awarded during the reporting period was as follows:

	1979-80	1978-79
Assistance awarded		
Canada Student Loan	$11,670,000	$11,132,915
Nova Scotia Bursary	5,294,090	4,592,800
	$16,964,090	$15,725,715
Students assisted		
Canada Student Loan	7,999	7,861
Nova Scotia Bursary	5,810	5,601
Average aid per student		
Canada Student Loan	$1,459	$1,416
Nova Scotia Bursary	$ 911	$ 820
Average total aid per student	$2,120	$2,000

STATISTICAL TABLES

Summary of Statistics 34

Table 1 Historical and Comparative Statistics 35

Table 2 School Finance
(a) Municipal Expenditure (to 1969) 38
(b) Municipal Expenditure (1970-1979) 39
(c) Departmental Expenditure 40
(d) Departmental Expenditure by Vote 41
(e) Total Expenditure on Public Education 42
(f) Analysis of Expenditure 43

Table 3 School Boards, School Houses, Classrooms in Use, Percentage Attendance, Pupils (June 1980) and Teachers (September, 1979) 44

Table 4 Pupils Classified by School Board, Grade and Sex (September, 1979) 45

Table 5 Pupils Classified by Age, Grade and Sex (September, 1979) 46

Table 6 Enrolment in Continuing Education Classes 48

Table 7 Enrolments in Adult Vocational Training Centres and Modules 49

Table 8 Adult Vocational Education Enrolments in courses operated in institutions other than Adult Vocational Training Centres and Modules 51

Table 9 Correspondence Course Enrolment 52

Table 10 Disabled Persons Training (1979-80) 53

Table 11 Enrolments in Institutes of Technology 54

Table 12 Teachers Classified by Certificate, September, 1979 58

Table 13 Teachers Classified by Certificate and Experience, September, 1979 59

Table 14	Active Teachers Classified by Certificate and Age Distribution, September, 1979	60
Table 15	Teachers Classified by Certificate and Level of Education Served, September, 1979	61
Table 16	Teachers Classified by Certificate and Assignment, September, 1979	62
Table 17	Teachers Classified by Location and Degree, September, 1979	63
Table 18	Teachers: Mobility, September, 1979	64
Table 19	Teachers: Average Salary by Location and Sex, September 30, 1979	65
	Auditor's Report: Nova Scotia Teachers' Pension Fund	66
Table 20	Nova Scotia Teachers' Pension Commission: Number of Teacher-Pensioners, July 31, 1980	67
Table 21	Nova Scotia Teachers' Pension Fund: Continuity of Fund Statement for the Year Ending March 31, 1980	68
Table 22	Nova Scotia Teachers' Pension Fund: Balance Sheet as at March 31, 1980	69
Table 23	Nova Scotia School Book Bureau: Statement of Operations - Fiscal Year April 1, 1979 to March 31, 1980	71

SUMMARY OF STATISTICS, 1979-80
(Compared with Preceding Year)

		Inc.	Dec.
School Boards	84		
School Houses	615		7
Rooms in Use	12,282	654	
Teachers (September)	11,502		25
Pupils (September)	194,112		4,538
Elementary Levels	99,517		2,089
Junior and Senior High Levels*	94,595		2,449
Average Number of Days All Rooms in Session	189.3	2.3	
Percentage Attendance	93.0	0.7	
Average Number of Pupils per Teacher	16.9		0.3
Continuing Education			
Activities	1,889		162
Number of participants	61,799	15,190	
Vocational and Technical			
Regional Vocational Schools	6,513		
Adult Vocational Education (including apprentice training)	12,988	143	
Vocational Correspondence	521	124	
Technologies	1,664		46

Expenditures on Public School Education	**Total**	**Inc.**
Municipal Expenditures	$122,575,500	$ 8,669,500
Provincial Government Expenditure	298,207,665	27,981,926
Total	$420,783,165	$36,651,426

		Inc.
Per Capita Expenditure	$ 496.73	$ 44.01
Expenditure per Pupil in Average Daily Attendance	$2,292.73	$259.51
Percentage of Provincial Government Expenditure in Total	70.9%	0.6%

* Includes students in regional vocational schools.

TABLE 1 — HISTORICAL AND COMPARATIVE STATISTICS

(A) — Before the Free School System

YEAR	Average No. of Teachers Winter and Summer	Average Number of Pupils Enrolled Winter and Summer	Local Funds $4-£1	Provincial Grants $4-£1	Total Cost of Schools	Cost per Pupil	REMARKS
1820	.....	.....	$.....	$.....	$34,720	$.....	Common Schools only
1835	530	15,292	49,813	27,323	77,136	5.04	
1847	1,041	34,729	93,172	43,394	136,566	3.93	
1857	1,002	34,356	128,222	53,519	181,741	5.29	Common and High Schools

(B) — Under the Free School System — Semi-Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
T.H. RAND									
1865	916	39,461	23,572	60.0	$124,673	$.....	$ 93,263	$217,936	$ 9.25
A.S. HUNT									
1870	1,569	75,279	42,177	56.0	266,160	91,762	174,602	532,524	12.62
D. ALLISON									
1880	1,809	76,393	42,580	55.7	281,561	107,181	196,217	584,959	13.74
1890	2,214	85,482	49,206	58.0	377,529	118,349	213,434	709,312	14.29

TABLE 1 — (C) — Under the Free School System - Annual Term

	No. of Teachers	Net Enrolment in Public Schools (June)	Average Daily Attendance	Percentage of Net Enrolment in Daily Attendance	Amount of Local Levy for Public Schools	Municipal School Fund	Provincial Expenditures	Annual Cost of Public Education	Annual Cost per Pupil in Average Daily Attendance
A.H. MacKay									
1900	2,557	100,129	56,224	56.1	519,620	119,923	248,309	887,852	15.79
1910	2,723	102,035	65,630	64.3	761,013	146,936	357,282	1,265,233	19.28
1920	3,015	108,096	66,442	61.6	1,978,242	224,025	500,405	2,702,673	40.67
H.F. Munro									
1930	3,448	113,860	85,080	74.8	2,529,293	523,876	916,856	3,970,025	46.67
1940	3,686	117,167	93,359	79.6	2,900,290	516,616	1,304,521	4,721,427	50.57
H.D. Hicks									
1950	4,913	130,398	111,818	85.4	5,456,717	577,343	7,583,353	13,617,413	121.78
R.M. Fielding									
1955	5,345	151,652	136,496	90.0	9,405,576		9,739,799	19,145,375	140.26
1956	5,586	156,847	140,394	89.5	10,530,309		11,353,744	21,884,053	155.88
R.L. Stanfield									
1957	5,766	160,299	144,755	90.3	11,127,166		14,180,091	25,307,257	174.83
M.S. Leonard									
1958	5,913	*164,255	147,252	89.6	12,515,130		15,181,792	27,696,922	188.09
1959	6,177	*171,386	153,795	89.7	14,112,132		16,615,861	30,727,993	199.80
R.L. Stanfield									
1960	6,432	*177,121	161,364	91.1	16,679,178		19,020,230	35,699,408	221.24
1965	7,665	199,095	181,419	93.7	25,152,612		31,046,659	57,199,271	(*)315.29
1967	8,274	204,842	187,207	91.3	30,142,536		41,831,736	71,974,272	(*)384.46
G.J. Doucet									
1968	8,686	208,343	188,568	91.5	32,596,200		55,323,987	87,920,187	(*)468.00
1969	9,320	214,590	185,602	91.0	36,776,900		65,793,957	102,570,857	(*)526.09
1970	10,011	219,794	192,286	**93.5	41,988,900		73,468,675	115,457,575	(*)600.45

TABLE 1 — (C) continued

P.M. Nicholson								
1971	10,604	221,961	197,506	**93.0	49,589,100	95,940,973	145,530,073	(*)673.22
1972	10,351	220,925	198,827	**93.0	54,819,100	106,316,994	161,136,894	(*)752.86
A.E. Sullivan								
1973	10,541	220,380	207,534	**93.0	57,020,800	119,987,006	177,007,806	(*)797.84
J.W. Gillis								
1974	10,998	215,005	195,708	**92.7	64,110,177	138,503,593	202,613,770	(*)941.68
1975	11,375	211,364	192,828	**93.0	70,993,481	165,285,564	236,279,045 +	(*)1,217.83
M.C. MacAskill								
1976	11,658	209,224	187,108	**92.8	83,626,700	204,671,865	288,298,565	(*)1,440.66
G.M. Mitchell								
1977	11,370	209,184	187,395	**93.1	95,108,600	230,805,708	325,914,308	(*)1,637.48
1978	11,476	204,925	184,405	**92.9	102,097,400	248,745,580	350,842,980	(*)1,813.59
1979	11,527	200,665	180,418	**92.3	113,906,000	270,225,739	384,131,739	(*)2,033.22
1980	11,502	196,635	175,536	**93.0	122,575,500	298,207,665	420,783,165	(*)2,292.73

* September Enrolment
** Percentage Attendance (actual to possible)
(*) Expenditure for Public Education less expenditure for Adult Education and Student Aid.
+ Corrected from 1977 Report.

TABLE 2 — SCHOOL FINANCE
(Combination of Calendar and Fiscal Year)
(a) Municipal Expenditure (to 1969)

Calendar Year	Expenditures from Municipal School Board Revenue	Expenditures from Boards of School Commissioners	Total	Increase Over Preceding Year
1955	$ 3,611,675	$ 6,918,634	$10,580,309	$1,124,733
1960	8,610,795	10,685,173	19,295,968	2,616,790
1961	8,423,329	12,397,159	20,820,488	1,524,520
1962	9,520,813	13,999,529	23,511,342	2,690,854
1963	9,913,433	14,467,178	24,380,611	869,269
1964	10,953,480	15,199,132	26,152,612	1,772,001
1965	11,435,608	16,495,189	27,930,797	1,788,185
1966	12,628,274	17,514,262	30,142,536	2,211,739
1967	13,003,700	19,592,500	32,596,200	2,453,664
1968	15,050,100	21,726,800	36,776,900	4,180,700
1969	14,318,000	27,670,900	41,988,900	5,212,000

TABLE 2 — SCHOOL FINANCE (Continued)
(Combination of Calendar and Fiscal Year)
(b) Municipal Expenditure (1970-79)

Calendar Year	Municipal School Board	Expenditures Boards of School Commissioners	Amalgamated School Boards	Total	Increase Over Preceding Year
1970	$14,302,900	$29,415,900	$ 5,870,300	$ 49,589,100	$ 7,600,200
1971	16,088,400	32,629,400	6,102,100	54,819,900	5,230,800
1972	16,041,500	34,470,600	6,508,700	57,020,800	2,200,900
1973	17,593,362	38,933,745	7,583,070	64,110,177	7,089,377
1974	20,953,185	41,849,423	8,190,873	70,993,481	6,883,304
1975	25,805,200	47,896,400	9,925,100	83,626,700	12,633,219
1976	26,626,800	57,484,100	10,697,700	95,108,600	11,481,900
1977	30,939,800	60,138,300	11,019,300	102,097,400	6,988,800
1978	35,066,300	65,889,000	12,950,700	113,906,000	11,808,600
1979	39,395,100	69,072,300	14,108,100	122,575,500	8,669,500

TABLE 2 — SCHOOL FINANCE (Continued)
(c) Departmental Expenditure

Fiscal Year Ending in	Government Expenditure on Education	Increase in Interval Indicated
1900	$ 248,309	
1915	407,213	$ 158,904
1930	916,856	449,643
1945	2,889,648	1,972,792
1960	19,020,230	16,130,582
1965	31,046,659	12,026,429
1970	73,468,675	7,674,718
1971	95,940,973	22,472,298
1972	106,316,994	9,376,021
1973	119,987,006	13,670,012
1974	138,503,593	18,516,587
1975	165,285,564	26,781,971
1976	204,671,865	39,386,301
1977	230,805,709	26,133,844
1978	248,745,580	17,939,871
1979	270,225,739	21,480,159
1980	298,207,665	27,981,926

TABLE 2 — SCHOOL FINANCE (Continued)
(d) Departmental Expenditure by Vote

Senior Management Group		
Grants Administration	$ 198,176.13	
Grants to Societies and Organizations	209,778.50	
Special Services	14,768.36	
Other Activities	369,452.55	
TOTAL		$ 792,175.54
Planning and Budgeting		
School Grants	223,008,885.22	
Payments to Municipalities	2,659,761.65	
Grants to Institutions	3,501,157.36	
Nova Scotia School Book Bureau	3,712,950.21	
Teachers Pensions	16,298,962.50	
Student Aid	5,554,122,36	
Other Activities	1,288,894.29	
TOTAL		256,024,733.59
Curriculum Development		
Secondary Vocational Education	16,315,281.34	
Minority Language Instruction	2,284,819.30	
Other Activities	1,227,744.02	
TOTAL		19,827,844.66
Education Resource Services		
Nova Scotia Libraries	3,453,282.25	
Nova Scotia Museums	1,419,138.81	
Other Activities	2,200,323.35	
TOTAL		7,072,744.41
School Planning and Inspection		1,030,476.16
Adult Education		12,770,394.47
Teacher Education		423,370.78
Program Services		265,925.39
TOTAL		$298,207,665.00

TABLE 2 — SCHOOL FINANCE (Continued)
(e) Total Expenditure on Public School Education

	1979-1980	1978-1979	Increase
MUNICIPAL EXPENDITURE	$122,575,500	$113,906,000	$ 8,669,500
DEPARTMENTAL EXPENDITURE	$298,207,665	$270,225,739	$27,981,926
TOTAL EXPENDITURE ON EDUCATION	$420,783,165	$384,131,739	$36,651,426

TABLE 2 — SCHOOL FINANCE (Continued)
(f) Analysis of Expenditure

	Total Expenditure On Education	Per Capita Expenditure On Education	Expenditure Per Pupil In Average Daily Attendance**	Percentage of Government Expenditure In Total
School Year				
1900	$ 887,852	$	$ 15.97	27.9
1915	1,642,114		23.34	24.7
1930	3,970,025	7.21	46.67	23.1
1945	6,937,017	12.00	73.93	41.7
Calendar Year				
1960	40,645,927	55.68	242.95	52.5
1965	62,226,133	84.43	*335.73	55.1
1970	145,530,073	189.99	*673.22	65.9
1971	161,136,894	204.23	752.86	66.0
1972	177,007,806	222.79	797.84	67.8
1973	202,613,770	256.81	941.68	68.4
1974	236,279,045	299.48	1,127.83	70.0
1975	288,298,565	350.73	1,440.66	71.0
1976	325,914,308	392.67	1,637.48	70.8
1977	350,842,980	418.12	1,813.59	70.9
1978	384,131,739	452.72	2,033.22	70.4
1979	420,783,165	496.73	2,292.73	70.9

* Recalculated. Adjusted to reflect addition of Regional Vocational Schools attendance.
** Expenditure per pupil for years 1965-1979 inclusive calculated on total expenditure on education less expenditure for (a) adult education, (b) student aid.

TABLE 3 — SCHOOL BOARDS, SCHOOL HOUSES, CLASSROOMS IN USE PERCENTAGE ATTENDANCE, PUPILS (June 1980) and TEACHERS (September 1979)

	No. of School Boards	No. of Schools	No. of Classrooms in Use	Net Enrolment of Pupils	Percentage Attendance	No. of Teachers Excluding Subs.	No. of Teachers with Teacher Training Diplomas	No. of Teachers with University Degrees
Amalgamated Boards	3	103	1,963	34,396	92.8	1,905	1,903	952
Municipal Boards	20	299	4,819	80,021	92.9	4,490	4,486	2,625
Urban Boards	33*	180	4,274	66,559	93.4	4,027	4,026	2,671
Regional Boards	17	22	717	11,127	92.3	650	649	454
Regional Vocational Boards	11	11	509	4,537	93.4	430	430	122
Total All School Boards 1979-1980	84*	615	12,282	196,640	93.0	11,502	11,494	6,824
Total All School Boards 1978-1979	84*	622	11,628	200,665	93.2	11,527	11,510	6,739
Increase	—	—	654	—	—	—	—	85
Decrease	—	7	—	4,025	.2	25	16	—

* Five of these boards do not administer schools. The students who would otherwise be under the jurisdiction of these boards attend schools operated by regional school boards.

TABLE 4 — PUPILS CLASSIFIED BY SCHOOL BOARD, GRADE AND SEX (EXCLUDING VOCATIONAL) (SEPTEMBER 1979)

Grade	Amalgamated			Municipal			Boards of School Commissioners			Regional			Totals		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Primary	1,229	1,182	2,411	3,274	3,038	6,312	2,340	2,082	4,422	92	77	169	6,935	6,379	13,314
1	1,252	1,142	2,394	3,409	3,123	6,532	2,247	2,210	4,457	121	101	222	7,029	6,576	13,605
2	1,245	1,272	2,517	3,484	3,155	6,639	2,442	2,212	4,654	111	100	211	7,282	6,739	14,021
3	1,328	1,277	2,605	3,482	3,404	6,886	2,556	2,356	4,912	127	101	228	7,493	7,138	14,631
4	1,280	1,178	2,458	3,335	3,156	6,491	2,525	2,376	4,901	123	127	250	7,263	6,837	14,100
5	1,266	1,191	2,457	3,448	3,130	6,578	2,484	2,282	4,766	120	105	225	7,318	6,708	14,026
6	1,339	1,282	2,621	3,432	3,064	6,496	2,536	2,381	4,917	112	112	224	7,419	6,839	14,258
Jr. Auxiliary	128	67	195	444	202	646	425	271	696	19	6	25	1,016	546	1,562
Total Primary-Jr. Auxiliary	9,067	8,591	17,658	24,308	22,272	46,580	17,555	16,170	33,725	825	729	1,554	51,755	47,762	99,517
7	1,465	1,253	2,718	3,383	3,127	6,510	2,703	2,508	5,211	711	644	1,355	8,262	7,532	15,794
8	1,505	1,391	2,896	3,322	3,199	6,521	2,804	2,709	5,513	706	693	1,399	8,337	7,992	16,329
9	1,505	1,425	2,930	3,160	3,065	6,225	2,911	2,843	5,754	765	765	1,530	8,341	8,098	16,439
10	1,215	1,397	2,612	2,371	2,615	4,986	2,891	2,910	5,801	916	1,008	1,924	7,393	7,930	15,323
11	1,243	1,422	2,665	1,958	2,151	4,109	2,525	2,449	4,974	749	841	1,590	6,475	6,863	13,338
12	1,057	1,058	2,115	1,359	1,896	3,255	2,026	2,145	4,171	569	667	1,236	5,011	5,766	10,777
1 Yr. Bus. Ed.	29	163	192	2	108	110	14	63	77	19	138	157	64	472	536
Sr. Auxiliary	90	70	160	351	154	505	199	127	326	144	70	214	784	421	1,205
Total 7 - Sr. Auxiliary	8,109	8,179	16,288	15,906	16,315	32,221	16,073	15,754	31,827	4,579	4,826	9,405	44,667	45,074	89,741
Grand Total	17,176	16,770	33,946	40,214	38,587	78,801	33,628	31,924	65,552	5,404	5,555	10,959	96,422	92,836	189,258
Vocational (In schools operated by the Minister. Vocational students in other vocational schools are included in the totals above.)															4,854
Total All Grades															194,112

TABLE 5 — PUPILS * CLASSIFIED BY AGE**, GRADE AND SEX (SEPTEMBER, 1979)

Grade	Primary		I		2		3		4		5		6		Junior Auxiliary		Total Primary Jr. Auxiliary		
Age	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
4	15	27		1											1	1	16	29	45
5	6,359	6,001	65	145		1									17	11	6,441	6,158	12,599
6	533	327	6,031	5,886	144	160									33	17	6,741	6,390	13,131
7	24	22	850	508	5,741	5,760	272	241	3	1					69	32	6,959	6,564	13,523
8	3	2	72	33	1,233	730	5,682	5,949	252	283	1				74	54	7,317	7,051	14,368
9	1		8	3	146	81	1,266	798	5,288	5,517	299	266	2	2	132	66	7,142	6,733	13,875
10			2		14	4	241	134	1,322	852	5,054	5,209	325	306	140	70	7,098	6,575	13,673
11					3	2	26	15	322	156	1,395	971	4,865	5,151	145	73	6,756	6,368	13,124
12			1		1	1	6		55	24	455	216	1,550	1,015	172	93	2,240	1,349	3,589
13								1	14	3	87	35	538	299	113	41	752	379	1,131
14									6	1	20	10	120	50	40	23	186	84	270
15									1		7	1	18	12	33	19	59	32	91
16													1	3	36	14	37	17	54
17														1	18	9	18	10	28
18															6	5	6	5	11
19															1	3	1	3	4
20 and over																1		1	1
TOTAL	6,935	6,379	7,029	6,576	7,282	6,739	7,493	7,138	7,263	6,837	7,318	6,708	7,419	6,839	1,030	532	51,747	47,739	99,517
1979-80	13,314		13,605		14,021		14,631		14,100		14,026		14,258		1,562		99,517		
1978-79	13,952		14,048		14,718		14,207		13,962		14,318		14,762		1,639		101,606		
Increase							424		138										
Decrease	638		443		697						292		504		108		2,120		

* Not including pupils in Regional Vocational Schools
** Age as of September 30, 1979
Note: Age groups are not comparable with 1972-73 and 1973-74 because ages were recorded as of June 30 for those years.

TABLE 5 — PUPILS* CLASSIFIED BY AGE**, GRADE AND SEX (SEPTEMBER, 1979) (Continued)

Grade	7		8		9		10		11		12		1Year Business Education		Senior Auxiliary		Total Grade 7 - Senior Auxiliary			Total All Levels		
Age	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total	M	F	Total
4																				16	29	45
5																				6,441	6,158	12,599
6																				6,741	6,390	13,131
7																				6,959	6,564	13,523
8																				7,317	7,051	14,368
9																				7,142	6,733	13,875
10	1	4		1													1	5	6	7,099	6,580	13,679
11	279	315	1	4													280	319	599	7,036	6,687	13,723
12	4,734	5,194	296	439		2									20	9	5,050	5,644	10,694	7,290	6,993	14,283
13	1,982	1,358	4,618	5,253	306	417	35	9							95	57	7,036	7,094	14,130	7,788	7,473	15,261
14	892	484	2,022	1,503	4,765	5,387	649	663	27	47					175	87	8,530	8,171	16,701	8,716	8,255	16,971
15	312	146	1,028	602	2,068	1,528	4,112	5,242	742	681	38	16			184	111	8,484	8,326	16,810	8,543	8,358	16,901
16	54	26	323	165	906	562	1,746	1,430	3,744	4,480	637	643		12	143	76	7,553	7,394	14,947	7,590	7,411	15,001
17	8	4	42	17	241	170	635	430	1,293	1,172	3,001	4,013	9	166	85	40	5,314	6,012	11,326	5,332	6,022	11,354
18		1	6	6	48	22	162	116	473	361	980	830	33	179	27	19	1,729	1,534	3,263	1,735	1,539	3,274
19			1	2	5	5	40	25	145	81	268	220	12	51	17	14	488	398	886	489	401	890
20 and over					2	5	14	15	51	41	87	44	10	64	26	20	190	189	379	190	190	380
TOTAL	8,262	7,532	8,337	7,992	8,341	8,098	7,393	7,930	6,475	6,863	5,011	5,766	64	472	772	433	44,655	45,086	89,741	96,424	92,834	189,258
1979-80	15,794		16,329		16,439		15,323		13,338		10,777		536		1,205		89,741			189,258		
1978-79	16,786		17,663		16,816		15,590		13,190		10,456		679		1,252		92,432			194,038		
Increase									148		321											
Decrease	992		1,334		377		267						143		47		2,691			4,780		

TABLE 6 — 1979-80 ENROLMENT CONTINUING EDUCATION

Program / Activity	Number of Activities	Enrolment
Community Schools	48	32,027
Volunteer Reading Aide Workshops	11	129
Small Business Management	48	879
Senior Citizen Seminars	18	1,260
Pre-Retirement Seminars	18	540
General Educational Development Tests	44	1,959
Public School Program	1,702	25,005
TOTALS	1,889	61,799

TABLE 7 — 1979-80 ENROLMENTS IN ADULT VOCATIONAL TRAINING CENTRES/MODULES

Course	Total
Barbering/Styling	21
Bartending and Service	62
Boilermaker (Construction) (Pre-Employment)	12
Boilermaker (Construction) (Block Release)	57
Building Maintenance (Supervision)	25
Business Education	582
Carpentry (Pre-employment)	14
Carpet Installation	29
Clerk Typing	15
Colour Television Repair	7
Commercial Baking	20
Consumer Electrical Appliance Repair	15
Cooking (Pre-employment)	66
Cooking (Block Release)	10
Drafting (Architectural)	38
Drafting (Mechanical)	44
Drywall and Ceiling Erection and Finishing	80
Electric Motor Winding and Repair	13
Electronic Repair	54
Engine Operator (Pre-employment)	43
Heavy Duty Equipment Operator	88
In Plant (Block Release)	13
Industrial and Marine Rigging	18
Iron Working/Structural Steel	8
Machine Tool Operation	46
Marine Electrical Installation and Maintenance	16
M.V.R. - Mechanic (upgrading Apprenticeship part-time)	26
Painting and Paperhanging	34
Precision Woodworking	40
Precision Light Gauge Metal Working	25
Recreational Vehicle and Gas Powered Equipment Servicing	44
Retail Meatcutting	64
Retail Selling/Marketing Management	49
Sales Representative Marketing	41
Upholstering and Furniture Refinishing and Repair	62
Waitress/Waiter Dining Service	110
Welding (Basic)	196
Welding (High Pressure Pipe)	143
Welding (Mig and Tig)	18
TOTAL VOCATIONAL 1979-80	2,248

Course	Total
VOCATIONAL PREPARATORY	
Basic Training for Skill Development	1,664
Basic Job Readiness Training	91
Career Exploration for Women	173
Job Readiness Training	59
TOTAL VOCATIONAL PREPARATORY	1,987
TOTAL CENTRES AND MODULES 1979-80	4,235
TOTAL CENTRES AND MODULES 1978-79	4,722
DIFFERENCE	-487

TABLE 8 — 1979-80 ADULT VOCATIONAL ENROLMENTS IN COURSES OPERATED IN INSTITUTIONS OTHER THAN ADULT VOCATIONAL TRAINING CENTRES AND MODULES

Institution(s)	Course	Enrolment
Operated by Government of Nova Scotia		
Nova Scotia Institute of Technology		*
Nova Scotia Land Survey Institute	Vocational Full-time	**4,060
Nova Scotia Nautical Institute	Vocational Part-time	151
Nova Scotia Agricultural College		
Fisheries and Miscellaneous		
TOTAL		* **4,211
Operated by Government of Canada by contract		
Springhill Medium Security Institution	Vocational Full-time	326
	Vocational Preparatory Full-time	375
TOTAL		701
Private Training Institutions		
eg.		
College of Cape Breton	Vocational Full-time	**1,953
University (Disabled)		
Miscellaneous	Vocational Preparatory Full-time	17
TOTAL		**1,970
Operated by Industry (Disabled)	Vocational Full-time	24
TOTAL OTHER INSTITUTIONS 1979-80	*6,906	
TOTAL OTHER INSTITUTIONS 1978-79	6,051	
DIFFERENCE	4,855	

* 35 students were transferred from Adult Vocational Training Modules to the Nova Scotia Institute of Technology.

** 3 students at the College of Cape Breton were transferred from "Other Institutions operated by the Government of Nova Scotia" to "Other training institutions".

TABLE 9 — 1979-80 CORRESPONDENCE COURSE ENROLMENT

Category	Total
Academic	
Grades 1-9	625
University Preparatory	2,430
General	556
TOTAL ACADEMIC 1979-80	3,711
TOTAL ACADEMIC 1978-79	3,680
DIFFERENCE 1979-80	+31
Vocational	
TOTAL VOCATIONAL 1979-80	521
TOTAL VOCATIONAL 1978-79	397
DIFFERENCE 1979-80	+124
Grand Total 1979-80	4,232
Grand Total 1978-79	4,077
DIFFERENCE 1979-80	+155

TABLE 10 — 1979-80 ENROLMENT DISABLED PERSONS TRAINING

Category	Total
Non-Vocational	
Non-Vocational	16
A.V.E. Non-Government	12
TOTAL NON-VOCATIONAL	28
Vocational	
A.V.E. Vocational	7
Correspondence	15
Other Government	80
Non-Government	31
Universities	71
Training in Industry	24
TOTAL VOCATIONAL	228
Grand Total 1979-80	256
Grand Total 1978-79	296
DIFFERENCE 1979-80	40

TABLE 11(a) — 1979-80 ENROLMENTS IN THE NOVA SCOTIA INSTITUTE OF TECHNOLOGY

Course	Total
Applied Arts and Technology	
Dental Assisting - 1 yr.	36
Dental Technology - 1st yr.	6
2nd yr.	6
Electrical Technology - 1st yr.	16
2nd yr.	6
Electronics Technology - 1st yr.	45
2nd yr.	36
Mechanical Technology - 1st yr.	16
2nd yr.	14
Medical Laboratory Technology - 1st yr.	76
2nd yr.	72
Nuclear Medicine Technology - 1st yr.	6
2nd yr.	12
Process Operations 1 yr.	15
Food Services Tech. 2 yrs.	20
TOTAL	382
Apprenticeship	
Bricklaying - Pre-employment	12
Block Release	76
Bus and Transport - Block Release	11
Carpentry - Pre-employment	13
Block Release	385
Cooking (Commercial) Block Release	75
Electrical Const. - Pre-employment	17
Block Release	231
Engine Operator - Block Release	145
Industrial Mechanical - Block Release	17
In Plant Apprentice - Block Release	149
Lineman - Block Release	63
Machinist - Pre-Employment	15
Block Release	52
Motor Vehicle Repair (Mechanical) - Pre-Employment	16
Block Release	312
Oil Burner Mech. - Pre-employment	15
Block Release	41
Plumbing - Block Release	127
Sheet metal - Block Release	64
Sprinkler Fitter - Block Release	11
TOTAL	1,847

TABLE 11(a) (Continued)

Other Courses	
Building Supply Sales	27
Electronics Equipment Repair	41
Native Social Counselling	22
Radio Announcing	48
Retail Selling/Marketing Management	55
TOTAL	193

SUMMARY	
Applied Arts and Technology	382
Apprenticeship	1,847
Other	193
TOTAL	2,422

TABLE 11(b) — 1979-80 ENROLMENT NOVA SCOTIA NAUTICAL INSTITUTE

Course	Total
Marine Engineering	
Marine Engineer, 1st Class	15
Marine Engineer, 2nd Class	31
Marine Engineer, 3rd Class	20
Marine Engineer, 4th Class	22
Marine Electricians	6
Marine Navigation	
Master Mariner	19
Ocean Navigation I	44
Ocean Navigation II	51
Watchkeeping Mate	84
Command Endorsement	11
New Entry Seaman/Woman	51
Master Minor Waters	1
Master - 40 Ton	1
Fishing Master, Class I	2
Fishing Master, Class IV	1
Riggers	12
Additional	
Simulated Electronic Navigation I	76
Simulated Electronic Navigation II	55
Simulator	5
Firefighting	306
Lifeboat and Survival	315
FRP Construction	49
TOTAL	1,178

TABLE 11(c) — 1979-80 ENROLMENT
NOVA SCOTIA LAND SURVEY INSTITUTE

Course	Total
Cartography	10
Survey:	
Certificate	26
Diploma	28
Survey Assistant	12
Property Mapping	7
Planning:	
Certificate	8
Diploma	5
Remote Sensing:	
Certificate	4
Diploma	4
TOTAL	104

TABLE 12 — TEACHERS CLASSIFIED BY CERTIFICATE (September 1979)

	TCM	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VPA	VPB	Total
Amalgamated Boards		2	6	66	125	301	638	507	154	29	1	43	11	10	12		1,905
Municipal School Boards		4	18	173	350	603	1,779	1,158	325	67	3	2		2	6		4,490
Board of School Commissioners		1	7	80	226	407	1,417	1,283	438	158	1	5	2	1	1		4,027
Regional Boards		1	1	13	38	80	264	188	50	10		4		1			650
Reg. Vocational Boards				1		1	29	45	16	10	12	153	46	74	43		430
Total All Boards		8	32	333	739	1,392	4,127	3,181	983	274	17	207	59	88	62		11,502
Total All Boards (Male)		1	1	8	68	219	1,426	1,822	695	192	14	184	53	67	38		4,788
Total All Boards (Female)		7	31	325	671	1,173	2,701	1,359	288	82	3	23	6	21	24		6,714
Percentage of Total All Boards		.1	.3	2.9	6.4	12.1	35.9	27.7	8.5	2.4	.1	1.8	.5	.8	.5		100%

Note: Percentages less than .1 percent are shown as .1 percent.

TABLE 13 — NOVA SCOTIA TEACHERS BY CERTIFICATE AND EXPERIENCE

Total Province

Certificate	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 and over
TP	8	1	1	2	2												1	1		
TC1	32								1	1		3				7	6	6	7	1
TC2	333			2	3	1	2	4	4	7	6	8	8	10	27	100	75	43	19	14
TC3	739	1	2	3	2	8	19	26	48	41	50	50	33	43	62	145	99	61	32	14
TC4	1,392	93	85	86	51	64	91	76	80	68	77	53	61	64	77	166	108	55	27	10
TC5	4,127	218	261	290	240	285	314	248	262	230	260	212	136	133	187	408	214	136	72	21
TC6	3,181	39	56	72	82	148	209	216	210	182	215	212	151	155	240	436	232	187	107	32
TC7	983	7	5	10	9	12	19	44	45	48	52	52	49	57	96	194	122	103	46	13
TC8	274	1	1		1	4	5	5	6	8	16	8	11	16	20	75	39	34	14	10
VTC1	17				1		2	1	2	1		2	1		4	2		1		
VTC2	207	1			7	5	7	5	11	2	5	10	17	10	56	62	2	7		
VTC3	59					3	3	3	1		1	3	6	1	10	26		2		
VTC4	88				3	7	1	5	2	2	3	6	6	1	20	28	2	1	1	
VTCA	62	11	24	11	9	3		2			1				1					
Total	11,502	372	435	476	410	540	672	635	672	590	686	619	479	490	800	1,649	900	637	325	115

TABLE 14 — ACTIVE TEACHERS CLASSIFIED BY CERTIFICATE AND AGE DISTRIBUTION

Total Province		Age Distribution											
Certificate	Total	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 and over
TP	8		2				1	2		1	1	1	
TC1	32					1	1	6	10	9	4	1	
TC2	333			2	11	47	72	66	44	55	34	2	
TC3	739			99	128	143	107	88	61	62	46	5	
TC4	1,392		221	335	291	170	117	93	71	56	36	2	
TC5	4,127		396	1,237	1,103	506	278	253	185	109	55	5	
TC6	3,181		38	612	965	602	333	228	198	127	74	3	1
TC7	983		2	48	247	237	149	118	96	58	25	3	
TC8	274			6	40	68	53	39	35	18	14	1	
VTC1	17						5	3	4	4	1		
VTC2	207				7	26	38	37	38	38	22	1	
VTC3	59				2	11	13	10	10	11	2		
VTC4	88				6	10	19	20	16	13	4		
VTCA	62		1	10	17	10	11	7	1	4	1		
TOTAL	11,502		660	2,349	2,817	1,831	1,197	970	769	565	319	24	1

TABLE 15 — TEACHERS CLASSIFIED BY CERTIFICATE AND LEVEL OF EDUCATION SERVED

Total Province	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VPA	TOTAL
Other	1	3	4	14	57	209	243	176	63			3	11	1	785
Primary		9	41	77	112	180	80	5	2						506
1 - 6	1	14	205	399	658	1,294	705	117	22						3,415
7 - 9	1		30	68	181	890	650	187	46		5	2	1	3	2,064
10 - 12			3	16	46	514	660	264	79	1	11	2	4	3	1,603
Primary - 6	4	3	27	68	128	222	128	28	14						622
Primary - 9				5	31	105	60	11	1						213
7 - 12			9	40	84	364	309	87	16		3			1	913
Primary - 12		1	3	11	28	102	126	50	16						337
Auxiliary	1	2	10	40	65	209	175	43	7	3	3	1	2	2	563
Vocational			1	1	2	38	45	15	8	13	185	51	70	52	481
TOTAL	8	32	333	739	1,392	4,127	3,181	983	274	17	207	59	88	62	11,502

TABLE 16 — TEACHERS CLASSIFIED BY CERTIFICATE AND ASSIGNMENT

Total Province	TP	TC1	TC2	TC3	TC4	TC5	TC6	TC7	TC8	VTC1	VTC2	VTC3	VTC4	VPA	TOTAL
Supervisor of a Sub-System						2	8	3	5						18
Superintendent					1	6	23	21	7						58
Assistant Superintendent						1	7	7							15
Principal				5	8	40	146	114	33			2	5		353
Principal Teaching		2	10	18	24	54	70	27	4				1		210
Vice-Principal				1	2	17	62	54	11		1	2	7		157
Vice-Principal Teaching			3	9	13	33	79	39	13						189
Department Head				3	6	65	112	64	22	1	9	2	14		298
Regular Teacher	1	26	296	560	923	2,876	1,865	399	88	1	4	2	1	2	7,044
Specialist Teacher	6	3	19	129	381	945	732	208	64	15	190	50	59	56	2,857
Guidance Supervisor							3	3	3						9
Guidance Director							6								6
Pupil Services Co-ordinator							4	3	2						9
Supervisor of Curriculum					5	8	21	32	16		1				83
System Consultant					2	5	12	4	2			1			26
Others	1	1	5	14	27	75	31	5	4		2		1	4	170
TOTAL	8	32	333	739	1,392	4,127	3,181	983	274	17	207	59	88	62	11,502

TABLE 17 — TEACHERS CLASSIFIED BY LOCATION AND DEGREE

	DEGREE					
	Bachelor's	Master's	Dr.'s	Total With Degrees	Total Teachers	Percentage With Degrees
Amalgamated School Boards	822	128	2	952	1,905	49.9
Municipal School Boards	2,378	242	5	2,625	4,490	58.4
Board of School Commissioners	2,308	379	4	2,691	4,027	66.8
Regional School Boards	392	60	2	454	650	69.8
Regional Vocational School Boards	102	20	-	122	430	28.3
Total All Boards	6,002	829	13	6,844	11,502	59.5

TABLE 18 — MOBILITY (September 1979)

	Total Teachers	First Year in Profession	New to Board	Returning to Board
Amalgamated Boards	1,905	53	20	1,832
Boards of School Commissioners	4,027	83	46	3,898
Municipal School Boards	4,490	197	104	4,189
Regional School Boards	650	25	22	603
Regional Vocational School Boards	430	14	6	410
Total All Boards 1979	11,502	372	198	10,932
Total All Boards 1978	11,527	444	313	10,770
Increase				162
Decrease	25	72	115	

TABLE 19—
TEACHERS: AVERAGE SALARY BY LOCATION AND SEX
BASED ON THE NUMBER OF ACTIVE TEACHERS
AS OF SEPTEMBER 30, 1979

All Teachers		
	Total	$21,354
	Men	23,015
	Women	20,170
Amalgamated		
	Total	$21,164
	Men	23,042
	Women	19,819
Rural		
	Total	$20,600
	Men	22,452
	Women	19,391
Urban		
	Total	$22,109
	Men	23,634
	Women	21,203
Regional		
	Total	$21,416
	Men	22,798
	Women	19,484
Regional Vocational		
	Total	$22,903
	Men	23,390
	Women	21,089

AUDITOR' REPORT
NOVA SCOTIA
TEACHERS' PENSION FUND

The Minister of Finance
Province of Nova Scotia

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1980 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards and accordingly included such tests and other procedures as I considered necessary in the circumstances.

As at the date of our audit, the Teachers' Pension Commission had reconciled the total of the contributions actually received with the amounts required under the Teachers' Pension Act and Regulations only to July 31, 1976. Subsequent years have been partially reconciled; however, I am unable to attest to the accuracy of the contributions reflected in these financial statements.

In my opinion, except for the above, these financial statements present fairly the financial position of the Fund as at March 31, 1980 and the results of the transactions for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

A.W. Sarty
Auditor General

Halifax, Nova Scotia
August 20, 1980

TABLE 20 — THE NOVA SCOTIA TEACHERS' PENSION COMMISSION

Number of Teacher-Pensioners - July 31, 1980

1928 Act	On Pension July 31, 1979	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1980
Service Pensions -- Men	2	--	--	--	2
Service Pensions -- Women	14	--	3	--	11
Disability Pensions -- Men	--	--	--	--	--
Disability Pensions -- Women	20	--	--	--	20
Dependents' Pensions	4	--	--	--	4
Subtotal	40	--	3	--	37

1949 Act	On Pension July 31, 1979	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1980
Service Pensions -- Men	236	46	10	--	272
Service Pensions -- Women	1,455	140	45	--	1,550
Reduced Service -- Men	60	3	2	--	61
Reduced Service -- Women	738	27	14	--	751
Disability Pension (Total) -- Men	30	5	1	--	34
Disability Pension (Total) -- Women	148	3	12	1	138
Disability Pension (Partial) -- Men	26	4	--	--	30
Disability Pension (Partial) -- Women	154	4	4	2	152
Spouse's Pensions	216	43	12	--	247
Subtotal	3,063	275	100	3	3,235
Total	3,103	275	103	3	3,272

1928 Decrease 3
1949 Increase 172

TABLE 21 — NOVA SCOTIA TEACHERS' PENSION FUND
Statement of Continuity of Fund
for the year ended March 31, 1980

	1980	1979
Balance at beginning of year	$208,857,845	$181,701,412
Add: Teachers' contributions	13,930,888	12,735,511
Government contributions	13,930,888	12,735,511
Purchase of prior service	505,541	323,136
Transfers from other pension funds	631,596	269,756
Income earned on investments	20,310,716	17,241,023
Amortization of discount and premium on investments	40,988	56,662
	49,370,617	43,361,599
	258,228,462	225,063,011
Deduct: Expenses (Note 4)	160,595	160,449
Pensions paid	16,488,368	14,401,131
Refund of contributions	1,201,660	968,403
Transfers to other pension funds	384,199	352,630
Amortization of difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	283,324	322,533
	18,518,146	16,205,166
Balance at end of year	$239,710,316	$208,857,845

TABLE 22
NOVA SCOTIA TEACHERS' PENSION FUND
Balance Sheet as at March 31, 1980

ASSETS

	1980	1979
Current		
Cash	$ 1,550,106	$ 1,417,973
Short-term deposits	14,500,000	2,000,000
Accounts receivable	3,891,489	2,869,191
Accrued interest receivable	4,510,461	4,019,136
	24,452,056	10,306,300
Investments (Note 2)		
Bonds and debentures	200,667,840	186,033,621
Mortgages	6,750,331	5,421,552
Common and preferred shares	9,054,085	8,108,871
	216,472,256	199,564,044
Unamortized difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	595,316	879,025
	$241,519,627	$210,749,369

LIABILITIES AND FUND EQUITY

Accounts payable	$ 1,809,312	$ 1,891,524
Fund equity	239,710,316	208,857,845
	241,519,627	$210,749,369

Nova Scotia Teachers' Pension Fund
Notes to Financial Statements
for the year ended March 31, 1980

1. Unfunded Liability

The Teachers' Pension Act requires that the fund be examined by an actuary every five years. The latest actuarial valuation of the fund for purposes of computing the unfunded liability was conducted as of July 31, 1974. The actuarial report contained several computations of the unfunded liability, based on varying assumptions for future inflation and interest earnings. The results of these computations of unfunded liability ranged from $158.1 million to $207.6 million; however, the report indicates the more appropriate figure to be $183.7 million.

2. Valuation of Investments

Bonds and debentures of $200,667,840 are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds and debentures as at March 31, 1980 was $201,880,000 and $147,169,825 respectively. Generally, investments in bonds and debentures are made with the intention to retain them until maturity at which time they are redeemed for their face value.

Mortgages of $6,750,331 are valued at cost adjusted for amortization of premiums and discounts over seven years. The face value of mortgages held at March 31, 1980 was $6,751,445.

Short term investments are shown at their cost and face value of $14,500,000.

Common and preferred shares are valued at a cost of $9,054,085 at March 31, 1980. The market value of these equity investments at that date was $11,987,032.

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yield are capitalized and amortized over the lesser of seven years or the remaining life of the bond or debenture.

Gains and losses on disposals of common and preferred shares are charged or credited to income in the year of disposition.

4. Expenses

The fund is charged with expenses of the Teachers' Pension section and the Administration and Finance section of the Department of Education, as detailed below. However, the costs of the actual management of the investments as carried out by the Trusts and Debt Management section of the Department of Finance are borne by the Province and are not reflected in these financial statements.

	1980	1979
Administration fees	$ 19,101	$ 17,859
Equipment and maintenance	1,604	3,411
Salary and wages	106,960	96,822
Supplies and Services	25,040	31,162
Travel	1,001	1,501
Other	6,889	9,694
	$160,595	$160,449

TABLE 23 — NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
Fiscal Year April 1, 1979 to March 31, 1980

Disbursements		
Purchase of Learning Materials	$3,339,563	
Freight and Mailing Costs	72,000	
Salaries	229,848	
Other	71,539	
		$3,712,950
Receipts		
Sales		$ 104,912
Inventories		
On Hand, March 31, 1979		$1,287,946
On Hand, March 31, 1980		969,501
Quantity of Textbooks and Material Distributed		
Textbooks, Primary to Grade 6	1,400,000	
Textbooks, Grades 7 - 9	500,000	
Textbooks, Senior 10 - 12	540,000	
Textbooks, Special Education	120,000	
Textbooks, Specialized Reading	70,000	
Textbooks, Acadiennes	14,000	
Textbooks, Television and Radio	2,500	
Textbooks, Miscellaneous	20,000	
		2,666,500
Journal, P and R Releases, other	80,000	
Cumulative Record Cards	38,000	
Teaching Guides, Curriculum Bulletins	125,000	
Miscellaneous	900,000	1,143,000